Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 23/01/19. & 30/01/19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)							
	Hegdenagar							
	4th cross							
		LHS	1	9.00	1.65		14.85	
			1	8.00	1.65		13.20	
			1	13.00	1.65		21.45	
			1	14.00	1.65		23.10	
			1	14.00	1.65		23.10	
			1	10.00	1.65		16.50	
			1	19.00	1.65		31.35	
		RHS	1	13.00	1.65		21.45	
			1	10.00	1.65		16.50	
			1	7.00	1.65		11.55	
			1	11.00	1.65		18.15	
			1	12.00	1.65		19.80	
			1	4.00	1.65		6.60	
			1	6.00	1.65		9.90	
			1	8.00	1.65		13.20	
			1	11.00	1.65		18.15	
	5th cross							
		LHS	1	12.00	1.65		19.80	
			1	7.00	1.65		11.55	
			1	9.00	1.65		14.85	
			1	6.00	1.65		9.90	
			1	4.00	1.65		6.60	
			1	15.00	1.65		24.75	
			1	8.00	1.65		13.20	
			1	9.00	1.65		14.85	
		RHS	1	10.00	1.65		16.50	
			1	12.00	1.65		19.80	
			1	9.00	1.65		14.85	
			1	17.00	1.65		28.05	
			1	10.00	1.65		16.50	
			1	16.00	1.65		26.40	
			1	11.00	1.65		18.15	
			1	4.00	1.65		6.60	
			1	7.00	1.65		11.55	
						Present Qty	**552.75**	**Sqm**

Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Assistant Engineer

(1)

Newzen Consultants Bangalore

30/1/19

Asst. Executive Engineer,

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 25-01-2019 & 02-02-2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means.							
	Hegdenagar							
	4th cross							
		LHS	1	10.00	0.50	0.45	2.25	
			1	30.00	0.50	0.45	6.75	
			1	30.00	0.50	0.50	7.50	
			1	17.90	0.50	0.50	4.48	
			1	9.50	0.50	0.50	2.38	
			1	30.00	0.50	0.50	7.50	
			1	22.00	0.50	0.50	5.50	
			1	11.00	0.50	0.50	2.75	
		RHS	1	30.00	0.50	0.50	7.50	
			1	14.50	0.50	0.50	3.63	
			1	20.00	0.50	0.50	5.00	
			1	14.00	0.50	0.45	3.15	
			1	30.00	0.50	0.45	6.75	
			1	30.00	0.50	0.55	8.25	
			1	30.00	0.50	0.55	8.25	
			1	30.00	0.50	0.55	8.25	
			1	22.00	0.50	0.45	4.95	
	5th cross							
		LHS	1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.50	7.50	
			1	21.00	0.50	0.50	5.25	
			1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.50	7.50	
			1	25.00	0.50	0.50	6.25	
		RHS	1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.45	6.75	
			1	30.00	0.50	0.45	6.75	
			1	30.00	0.50	0.45	6.75	
			1	30.00	0.50	0.50	7.50	
			1	30.00	0.50	0.55	8.25	
			1	30.00	0.50	0.55	8.25	
			1	11.00	0.50	0.55	3.03	
			1	11.00	0.50	0.55	3.03	

Transcribed

	RCC Drain							
	1st main 1st cross		2	30.00	1.20	1.10	79.20	
			2	30.00	1.20	1.10	79.20	
			2	30.00	1.20	1.10	79.20	
			2	5.00	1.20	1.10	13.20	
	Continued		2	30.00	1.20	1.10	79.20	
			2	30.00	1.20	1.10	79.20	
			2	30.00	1.20	1.10	79.20	
			2	2.00	1.20	1.10	5.28	
	Venugopal House		1	22.00	1.50	1.20	39.60	
			1	28.20	1.50	1.20	50.76	
			1	14.00	1.20	1.10	18.48	
			1	14.00	1.20	1.10	18.48	
			1	19.00	1.20	1.10	25.08	
	Culvert							
	Venugopal House		1	7.00	2.00	1.20	16.80	
			1	7.00	2.00	1.20	16.80	
	Near DWCC		1	8.20	2.00	1.20	19.68	
			1	8.20	2.00	1.20	19.68	
	Samudhaya Bhavana		1	4.80	2.00	1.20	11.52	
	Culvert-1		1	8.60	2.00	1.20	20.64	
	Culvert-2		1	8.70	2.00	1.20	20.88	
	Surround Anganwadi		1	21.70	5.30	0.50	57.51	
			1	4.50	0.70	0.50	1.58	
			1	4.25	0.80	0.50	1.70	
			1	14.80	1.20	0.50	8.88	
			1	26.60	1.40	0.50	18.62	
			1	2.75	1.50	0.50	2.06	
			1	3.10	5.00	0.50	7.75	
			1	7.90	1.00	0.50	3.95	
	Surround DWCC		1	16.50	2.60	0.50	21.45	
			1	11.40	3.00	0.50	17.10	
			1	15.00	8.00	0.50	60.00	
	Samudhaya Bhavana		1	29.20	10.00	0.50	146.00	
						Present Qty	**1327.80**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, Bangalore

Newzen Consultants Bangalore

Assistant Engineer 30/01/19.

Asst. Executive Engineer, 30/1

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 05.02.2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density.							
	Hegdenagar							
	Surround Anganwadi		1	21.70	5.30	0.25	28.75	
			1	4.50	0.70	0.25	0.79	
			1	4.25	0.80	0.25	0.85	
			1	14.80	1.20	0.25	4.44	
			1	26.60	1.40	0.25	9.31	
			1	2.75	1.50	0.25	1.03	
			1	3.10	5.00	0.25	3.88	
			1	7.90	1.00	0.25	1.98	
	Surround DWCC		1	16.50	2.60	0.25	10.73	
			1	11.40	3.00	0.25	8.55	
			1	15.00	8.00	0.25	30.00	
	Samudhaya Bhavana		1	29.20	10.00	0.25	73.00	
						Present Qty	**173.30**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
KRIDL, Bangalore

Newzen Consultants Bangalore

Assistant Engineer 5/2/19

Asst. Executive Engineer, 5/2

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra								
Date of Pre-Measurement : 24/01/19, 28/01/19 & 07/02/19.								
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications,							
	Hegdenagar							
	RCC Drain							
	1st main 1st cross		2	30.00	1.20	0.15	10.80	
			2	30.00	1.20	0.15	10.80	
			2	30.00	1.20	0.15	10.80	
			2	5.00	1.20	0.15	1.80	
	Continued		2	30.00	1.20	0.15	10.80	
			2	30.00	1.20	0.15	10.80	
			2	30.00	1.20	0.15	10.80	
			2	2.00	1.20	0.15	0.72	
	Venugopal House		1	22.00	1.50	0.15	4.95	
			1	28.20	1.50	0.15	6.35	
			1	14.00	1.20	0.15	2.52	
			1	14.00	1.20	0.15	2.52	
			1	19.00	1.20	0.15	3.42	
	Culvert							
	Venugopal House		1	7.00	2.00	0.15	2.10	
			1	7.00	2.00	0.15	2.10	
	Near DWCC		1	8.20	2.00	0.15	2.46	
			1	8.20	2.00	0.15	2.46	
	Samudhaya Bhavana		1	4.80	2.00	0.15	1.44	
	Culvert-1		1	8.60	2.00	0.15	2.58	
	Culvert-2		1	8.70	2.00	0.15	2.61	
	Ramp							
	Venugopal House		2	7.00	1.00	0.15	2.10	
	Near DWCC		1	8.20	1.00	0.15	1.23	
	Samudhaya Bhavana		1	7.90	2.00	0.15	2.37	
	Culvert-1		2	8.60	2.00	0.15	5.16	
	Culvert-2		2	8.70	2.00	0.15	5.22	
	Hegdenagar							
	Surround Anganwadi		1	21.70	5.30	0.15	17.25	
			1	4.50	0.70	0.15	0.47	
			1	4.25	0.80	0.15	0.51	
			1	14.80	1.20	0.15	2.66	
			1	26.60	1.40	0.15	5.59	
			1	2.75	1.50	0.15	0.62	
			1	3.10	5.00	0.15	2.33	
			1	7.90	1.00	0.15	1.19	

Ramudreddy JE

	Surround DWCC		1	16.50	2.60	0.15	6.44	
			1	11.40	3.00	0.15	5.13	
			1	15.00	8.00	0.15	18.00	
	Samudhaya Bhavana		1	29.20	10.00	0.15	43.80	
	For Kerb stone							
	1st main 1st cross		2	30.00	0.30	0.15	2.70	
			2	30.00	0.30	0.15	2.70	
			2	30.00	0.30	0.15	2.70	
			2	5.00	0.30	0.15	0.45	
	Continued		2	30.00	0.30	0.15	2.70	
			2	30.00	0.30	0.15	2.70	
			2	30.00	0.30	0.15	2.70	
			2	2.00	0.30	0.15	0.18	
	Venugopal House		1	22.00	0.30	0.15	0.99	
			1	21.00	0.30	0.15	0.95	
			1	14.00	0.30	0.15	0.63	
			1	14.00	0.30	0.15	0.63	
			1	19.00	0.30	0.15	0.86	
	4th cross							
		LHS	1	10.00	0.30	0.15	0.45	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	17.90	0.30	0.15	0.81	
			1	9.50	0.30	0.15	0.43	
			1	30.00	0.30	0.15	1.35	
			1	22.00	0.30	0.15	0.99	
			1	11.00	0.30	0.15	0.50	
		RHS	1	30.00	0.30	0.15	1.35	
			1	14.50	0.30	0.15	0.65	
			1	20.00	0.30	0.15	0.90	
			1	14.00	0.30	0.15	0.63	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	22.00	0.30	0.15	0.99	
	5th cross							
		LHS	1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	21.00	0.30	0.15	0.95	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	25.00	0.30	0.15	1.13	
		RHS	1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	

Samudhaya

			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	30.00	0.30	0.15	1.35	
			1	11.00	0.30	0.15	0.50	
			1	11.00	0.30	0.15	0.50	
						Present Qty	**281.51**	**Cum**

Assistant Executive Engineer
Byataravanapura Sub-Division
KRIDL, Bangalore
KRIDL, BBMP, Bangalore

Newzen Consultants Bangalore

Assistant Engineer 7/2/19

Asst. Executive Engineer,

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 08/02/19, 23/02/19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including							
	Hegdenagar							
	For Flagging Course P.C.C							
	4th cross							
		LHS	2	10.00	0.25	0.15	0.75	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	17.90	0.25	0.15	1.34	
			2	9.50	0.25	0.15	0.71	
			2	30.00	0.25	0.15	2.25	
			2	22.00	0.25	0.15	1.65	
			2	11.00	0.25	0.15	0.83	
			2	1.00	0.25	0.15	0.08	
			2	5.00	0.25	0.15	0.38	
		RHS	2	30.00	0.25	0.15	2.25	
			2	14.50	0.25	0.15	1.09	
			2	20.00	0.25	0.15	1.50	
			2	14.00	0.25	0.15	1.05	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	22.00	0.25	0.15	1.65	
	5th cross							
		LHS	2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	21.00	0.25	0.15	1.58	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	25.00	0.25	0.15	1.88	
		RHS	2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	30.00	0.25	0.15	2.25	
			2	11.00	0.25	0.15	0.83	
			2	11.00	0.25	0.15	0.83	

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(8)

	For Flagging Course Coping							
	4th cross							
		LHS	2	10.00	0.20	0.10	0.40	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	17.90	0.20	0.10	0.72	
			2	9.50	0.20	0.10	0.38	
			2	30.00	0.20	0.10	1.20	
			2	22.00	0.20	0.10	0.88	
			2	11.00	0.20	0.10	0.44	
		RHS	2	30.00	0.20	0.10	1.20	
			2	14.50	0.20	0.10	0.58	
			2	20.00	0.20	0.10	0.80	
			2	14.00	0.20	0.10	0.56	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	22.00	0.20	0.10	0.88	
	5th cross							
		LHS	2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	21.00	0.20	0.10	0.84	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	25.00	0.20	0.10	1.00	
		RHS	2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	30.00	0.20	0.10	1.20	
			2	11.00	0.20	0.10	0.44	
			2	11.00	0.20	0.10	0.44	
	Ramp							
	1st main 1st cross		2	30.00	0.30	0.10	1.80	
			2	30.00	0.30	0.10	1.80	
			2	30.00	0.30	0.10	1.80	
			2	5.00	0.30	0.10	0.30	
	Continued		2	30.00	0.30	0.10	1.80	
			2	30.00	0.30	0.10	1.80	
			2	30.00	0.30	0.10	1.80	
			2	2.00	0.30	0.10	0.12	
	Venugopal House		1	22.00	0.30	0.10	0.66	
			1	21.00	0.30	0.10	0.63	
			1	14.00	0.30	0.10	0.42	
			1	14.00	0.30	0.10	0.42	

23/2

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 13/02/2019 & 16/02/2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.							
	Hegdenagar							
	4th cross							
		LHS	2	10.00		0.40	8.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	17.90		0.40	14.32	
			2	9.50		0.40	7.60	
			2	30.00		0.40	24.00	
			2	22.00		0.40	17.60	
			2	11.00		0.40	8.80	
		RHS	2	30.00		0.40	24.00	
			2	14.50		0.40	11.60	
			2	20.00		0.40	16.00	
			2	14.00		0.40	11.20	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	22.00		0.40	17.60	
	5th cross							
		LHS	2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	21.00		0.40	16.80	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	25.60		0.40	20.48	
		RHS	2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	

			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	30.00		0.40	24.00	
			2	11.00		0.40	8.80	
			2	11.00		0.40	8.80	
						Present Qty	**671.60**	**Sqm**

Assistant Executive Engineer
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KRIDL, BBMP, Bangalore

KRIDL, Bangalore

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Assistant Engineer

Asst. Executive Engineer,

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Name of Work : Improvements to Roads and Drains in Hegdenagara and Surrounding Areas in Ward No. 06 Thanisandra

Date of Measurement : 4/2, 5/2, 8/2, 11/2 and 12/02/2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons.							
	Hegdenagar							
	RCC Drain							
	Wall							
	1st main 1st cross		8	30.00		0.70	168.00	
			8	30.00		0.70	168.00	
			8	30.00		0.70	168.00	
			8	5.00		0.70	28.00	
	Continued		8	30.00		0.70	168.00	
			8	30.00		0.70	168.00	
			8	30.00		0.70	168.00	
			8	2.00		0.70	11.20	
	Venugopal House		4	22.00		1.00	88.00	
			4	28.20		1.00	112.80	
			4	14.00		0.70	39.20	
			4	14.00		0.70	39.20	
			4	19.00		0.70	53.20	
	Culvert							
	Wall							
	Venugopal House		4	7.00		0.70	19.60	
			4	7.00		0.70	19.60	
	Near DWCC		4	8.20		0.70	22.96	
			4	8.20		0.70	22.96	
	Samudhaya Bhavana		4	4.80		0.70	13.44	
	Culvert-1		4	8.60		0.70	24.08	
	Culvert-2		4	8.70		0.70	24.36	
						Present Qty	**1526.60**	**Sqm**
						Limitted to	**1525.80**	**Sqm**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
KRIDL, Bangalore

Newzen Consultants Bangalore

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 4/2/19, 5/2/19, 8/2/19, 11/2/19 & 12/02/19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
10	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
	Hegdenagar							
	Total Drain length=421.0m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	421/.15=2807		2807	2.40		0.89	5995.75	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		16	421.00		0.61	4108.96	
	Total Drain length=50.20m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	50.2/.15=335		335	3.30		0.89	983.90	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		22	50.20		0.61	673.68	
	Total Culvert length=52.30m Derived from item No-8							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr							
	52.3/.15=349		698	3.00		0.89	1863.66	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		38	52.30		0.61	1212.31	
							14838.27	
						Present Qty	**14.84**	**Tn**

Assistant Executive Engineer
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Newzen Consultants Bangalore

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Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Pre-Measurement : 25.03.19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)							
	Vide premeasurement page no. 1						552.75	
						Present Qty	**552.75**	**Sqm**
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means.							
	Vide premeasurement page no. 2 to 3						1327.80	
						Present Qty	**1327.80**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
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KRIDL, Bangalore

Assistant Engineer 25/03/19.

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Asst. Executive Engineer, 25/3

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Measurement : 25.03.19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.							
	Hegdenagar							
	4th cross							
		LHS	1	7.00	1.65		11.55	
			1	20.00	1.65		33.00	
			1	16.00	1.65		26.40	
			1	17.00	1.65		28.05	
			1	14.00	1.65		23.10	
			1	19.00	1.65		31.35	
			1	4.00	1.65		6.60	
			1	22.00	1.65		36.30	
		RHS	1	21.00	1.65		34.65	
			1	11.00	1.65		18.15	
			1	17.00	1.65		28.05	
			1	12.00	1.65		19.80	
			1	17.00	1.65		28.05	
			1	20.00	1.65		33.00	
			1	13.00	1.65		21.45	
			1	10.00	1.65		16.50	
			1	20.00	1.65		33.00	
	5th cross							
		LHS	1	21.00	1.65		34.65	
			1	18.00	1.65		29.70	
			1	16.00	1.65		26.40	
			1	24.00	1.65		39.60	
			1	16.00	1.65		26.40	
			1	20.00	1.65		33.00	
			1	18.00	1.65		29.70	
			1	21.00	1.65		34.65	
		RHS	1	19.00	1.65		31.35	
			1	18.00	1.65		29.70	
			1	18.00	1.65		29.70	
			1	17.00	1.65		28.05	
			1	19.00	1.65		31.35	
			1	13.00	1.65		21.45	
			1	14.00	1.65		23.10	
			1	5.90	1.65		9.74	
			1	8.00	1.65		13.20	
						Present Qty	**900.74**	**Sqm**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
KRIDL, Bangalore

Assistant Engineer 25/3/19.

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Asst. Executive Engineer, 25/3

(2)

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra								
Date of Pre-Measurement : 25.03.19.								
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density.							
	Vide premeasurement page no. 4						173.30	
						Present Qty	**173.30**	**Cum**
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications,							
	Vide premeasurement page no. 5 to 7						281.51	
						Present Qty	**281.51**	**Cum**
6	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.							
	Vide premeasurement page no. 8 to 10						135.72	
						Present Qty	**135.72**	**Cum**
7	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.							
	Vide premeasurement page no. 11 to 12						671.60	
						Present Qty	**671.60**	**Sqm**

Assistant Executive Engineer
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Assistant Engineer 25/03/19

Asst. Executive Engineer, 25/3

Name of Work: Improvements to Roads and Drains in Hegdenagara and Surrounding Area in Ward No.06 Thanisandra

Date of Measurement : 25.03.19.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
8	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.							
	Hegdenagar							
	RCC Drain							
	Raft							
	1st main 1st cross		2	30.00	1.10	0.15	9.90	
			2	30.00	1.10	0.15	9.90	
			2	30.00	1.10	0.15	9.90	
			2	5.00	1.10	0.15	1.65	
	Continued		2	30.00	1.10	0.15	9.90	
			2	30.00	1.10	0.15	9.90	
			2	30.00	1.10	0.15	9.90	
			2	2.00	1.10	0.15	0.66	
	Venugopal House		1	22.00	1.50	0.15	4.95	
			1	28.20	1.50	0.15	6.35	
			1	14.00	1.10	0.15	2.31	
			1	14.00	1.10	0.15	2.31	
			1	19.00	1.10	0.15	3.14	
	Wall							
	1st main 1st cross		4	30.00	0.15	0.70	12.60	
			4	30.00	0.15	0.70	12.60	
			4	30.00	0.15	0.70	12.60	
			4	5.00	0.15	0.70	2.10	
	Continued		4	30.00	0.15	0.70	12.60	
			4	30.00	0.15	0.70	12.60	
			4	30.00	0.15	0.70	12.60	
			4	2.00	0.15	0.70	0.84	
	Venugopal House		2	22.00	0.20	1.00	8.80	
			2	28.20	0.20	1.00	11.28	
			2	14.00	0.15	0.70	2.94	
			2	14.00	0.15	0.70	2.94	
			2	19.00	0.15	0.70	3.99	
	Culvert							
	Raft							
	Venugopal House		1	7.00	1.60	0.20	2.24	

Trenchcross (4)